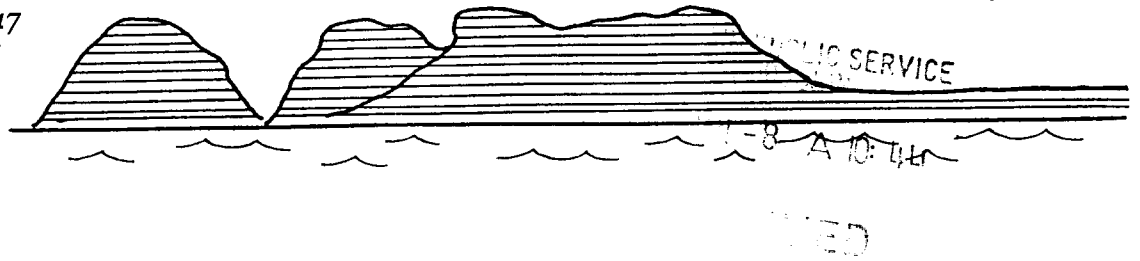


# VILLAGE OF TREMPEALEAU

24455 Third Street, P.O. Box 247  
Trempealeau, Wisconsin 54661  
Phone: 608-534-6434  
Fax: 608-534-6280  
Email: vtrempla@triwest.net



January 6, 2003

Mr. Scot Cullen, Chief Electric Engineer  
Public Service Commission  
610 N. Whitney Way  
P.O. Box 7854  
Madison, WI 53707-7854

RE: In the Matter of Filing Reporting Requirements for Appropriate Inspection and  
Maintenance, PSC Rule 113.0607(6)

Dear Mr. Cullen:

Enclosed for filing are 3 copies of Trempealeau Municipal Electric Utility's report to the  
commission, submitted every two years, showing compliance with its Preventative Maintenance  
Plan.

Very truly yours,

Scott Heinig, Village Administrator  
Village of Trempealeau,  
Trempealeau Municipal Electric Utility

Enclosures

RECEIVED

Electric Division

# **TWO YEAR REPORT DOCUMENTING COMPLIANCE WITH THE PREVENTATIVE MAINTENANCE PLAN**

**Village of Trempealeau**

**FILING DEADLINE  
FEBRUARY 1, 2003**

January 6, 2003

Scott Heinig, Village Administrator

24455 3<sup>rd</sup> Street; P.O Box 247

Trempealeau, WI 54661

608-534-6434

tremploadadmin@centurytel.net

**RECEIVED**

JAN 18 2003

Electric Division

This report format was prepared by the MEUW work group for PSC Rule 113.0607 for use by the 82 municipal electric utilities in Wisconsin and endorsed by PSC staff as meeting the requirements of Rule PSC 113.0607.

## **I Reporting Requirements:** PSC 113.0607(6) states;

Each utility shall provide a periodic report to the commission showing compliance with its Preventative Maintenance Plan. The report shall include a list of inspected circuits and facilities, the condition of facilities according to established rating criteria, schedules established and success at meeting the established schedules.

## **II Inspection Schedule and Methods:**

SCHEDULE:	MONTHLY	ANNUAL	EVERY 5 YEARS
Transmission ( 69Kv)		X	X
Substations	X	X	
Distribution (OH & UG)			X

METHODS: Five criteria groups will be used to complete the inspection of all facilities.

1. IR – infrared thermography used to find poor electrical connections and/or oil flow problems in equipment.
2. RFI - Radio Frequency Interference, a byproduct of loose hardware and connections, is checked using an AM radio receiver.
3. SI – structural integrity of all supporting hardware including poles, crossarms, insulators, structures, bases, foundations, buildings, etc.
4. Clearance – refers to proper spacing of conductors from other objects, trees and conductors.
5. EC – equipment condition on non-structural components such as circuit breakers, transformers, regulators, reclosers, relays, batteries, capacitors, etc.

Distribution facilities will be inspected by substation circuits on a 5 year cycle such that the entire system will be inspected every 5 years. Inspector instructions for inspecting all facilities and forms are included in the plan.

## **III Condition Rating Criteria**

This criterion, as listed below, establishes the condition of a facility and also determines the repair schedule to correct deficiencies .

- 0) Good condition
- 1) Good condition but aging
- 2) Non-critical maintenance required – normally repair within 12 months
- 3) Priority maintenance required – normally repair within 90 days
- 4) Urgent maintenance required – report immediately to the utility and repair normally within 1 week

#### **IV Corrective Action Schedule**

The rating criteria as listed above determine the corrective action schedule.

#### **V Record Keeping**

All inspection forms and records will be retained for a minimum of 10 years. The inspection form contains all of the required critical information i.e. inspection dates, condition rating, schedule for repair and date of repair completion.

#### **VI Reporting Requirements**

A report and summary of this plan's progress will be submitted every two years with the first report due to the Commission by February 1, 2003. The report will consist of a cover letter documenting the percent of inspections achieved compared to the schedule and the percent of maintenance achieved within the scheduled time allowance.

#### **VII Inspected Circuits and Facilities**

Circuit # and description	Substation
The Village of Trempealeau does NOT generate electricity. The Village purchases electricity wholesale from Xcel Energy.	The Village does, however, inspect the substation monthly.

Base load and peaking generation, less than 50 megawatts per unit in size, is typically subject to pre-operational checks, in addition to checks and maintenance during and after periods of operation.

#### **VIII Scheduling Goals Established and Success of Meeting the Criteria:**

It is the utility's goal to provide safe, affordable and assured electric service to all its customers. To maintain this goal, the utility completes a monthly check of its one substation, and we do inspect and reinvest in our distribution system each year. The utility, however, does not own the substation transformer, nor all the lines that distribute the power. The utility does not generate electric power, rather purchases it wholesale from Xcel Energy and distributes the power to its customers. Xcel Energy performs scheduled inspections and necessary maintenance meeting specified rating criteria on most all their property.

## **IX Facility condition – rating criteria:**

The utility inspects the distribution system throughout the year. Due to the fact the utility is relatively small, we are able to find potential problem areas long before they become an issue to safety or service. The utility experienced only three storm related outages last year and equipment failure accounted for 1 of the outages—a blown transformer, affecting approximately 20 residential customers. Most of the system is in above average condition. For the areas of the system that require upgrades, we have a long range plan in place to do so. Each year we budget to rebuild a small section of the distribution system throughout the Village.